#### INDEX OF SHEETS

## SHEET NO. DESCRIPTION COVER SHEET

INDEX OF SHEETS/ HIGHWAY STANDARDS/ GENERAL NOTES

- 12 SUMMARY OF QUANTITIES

13 - 21 TYPICAL SECTIONS

22 - 30 SCHEDULE OF QUANTITIES

31 - 38 ALIGNMENT, TIES, AND BENCHMARKS

39 - 40 CONSTRUCTION LIMITS

EXISTING ROADWAY AND REMOVAL PLANS - 47 41

PRELIMINARY SITE INVESTIGATION & DEBRIS REMOVAL PLANS 48 - 54

- 62 PROPOSED ROADWAY PLANS

63 - 71 PROPOSED ROADWAY PROFILES

72 - 79 PROPOSED GRADING PLANS

SUGGESTED STAGING, MAINTENANCE OF TRAFFIC - 95

EROSION AND SEDIMENT CONTROL PLANS - 109 EROSION CONTROL DETAILS

110 - 117 EXISTING DRAINAGE & UTILITIES PLANS

118 - 125 PROPOSED DRAINAGE & UTILITIES PLANS

126 - 134 PROPOSED DRAINAGE PROFILES

DRAINAGE DETAILS 135 - 137

138 - 158 SUB-SURFACE UTILITY ENGINEERING PLANS

159 - 167 SOIL PROFILES 168 - 174 PLAT OF HIGHWAYS

111

175 - 183 JOINTING PLANS

184 - 187 INTERSECTION DETAILS 188 - 200 PAVEMENT MARKING PLANS

- 206 SIGNING PLANS

SIGN STRUCTURE LOCATION PLANS

208 - 217 SIGN PANEL DETAILS & SCHEDULE

SIGN STRUCTURE PLANS 218 - 226

227 - 231 ROADWAY DETAILS

232 - 260 ITS PLANS

LIGHTING PLANS 261 - 270

271 - 273 STR. PLANS - REL. IL RTE 3 OVER I-70 (STR. NO. 082-0328)

NORTH APPROACH SLAB

274 - 276 STR. PLANS - REL. IL RTE 3 OVER TRRA & ST. CLAIR AVE. (STR. NO. 082-0329) SOUTH APPROACH SLAB

277 - 285 CROSS SECTIONS - PROPOSED RAMP C

286 - 292 CROSS SECTIONS - PROPOSED RAMP D

293 - 313 CROSS SECTIONS - PROPOSED REL IL ROUTE 3

314 - 325 CROSS SECTIONS - PROPOSED ST. CLAIR AVE CONNECTOR

326 - 339 CROSS SECTIONS - EXISTING ST. CLAIR AVE

340 - 341 CROSS SECTIONS - PROPOSED WT DRIVE 342 - 353 CROSS SECTIONS - PROPOSED EXCHANGE AVE

> INDICATES PAYMENT INCLUDED IN COST OF ANOTHER ITEM.

# GENERAL NOTES

1. ILLINOIS STATE LAW REQUIRES A 48 - HOUR NOTICE BE GIVEN TO ALL UTILITIES BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. OR FOR NON-MEMBERS, THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:

• AmerenCIPS - ELECRIC

• AmerenIP - GAS

. AT&T ILLINOIS - COMMUNICATIONS

. ILLINOIS AMERICAN WATER COMPANY - WATER

. QWEST SOLUTIONS CENTER - COMMUNICATIONS

• SHO-ME TECHNOLOGIES - COMMUNICATIONS

FAIRMONT CITY - SEWER

METRO EAST SANITARY DISTRICT (M.E.S.D.) - CAHOKIA CANAL

MEMBERS OF J.U.L.I.E. (800-892-0123, OR 811) ARE INDICATED BY AN .. NON-J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.

- 2. THE ATTENTION OF THE CONTRACTOR IS DIRECTED TO THE SPECIAL PROVISIONS FOR POTENTIAL UTILITY CONFLICTS.
- 3. THE ATTENTION OF THE CONTRACTOR IS DIRECTED TO THE FACT THAT THERE ARE WATER MAINS MAINTAINED BY THE ILLINOIS AMERICAN WATER COMPANY (IAWC) AND/OR PRIVATE OWNERS WITHIN THE R.O.W. THE CONTRACTOR SHALL LOCATE THE WATER MAIN LOCATIONS IN CONTUNCTION WITH TAWC AND/OR PRIVATE OWNERS PRIOR TO COMMENCEMENT OF CONSTRUCTION IN THESE AREAS.
- 4. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- 5. BARRICADES: THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) WEIGHTED SANDBAGS ON EACH TYPE I OR TYPE II BARRICADE USED - ONE (1) WEIGHTED SAND BAG ACROSS EACH BOTTOM RAIL.
- 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL OVERHEAD, SURFACE, AND UNDERGROUND UTILITIES WITHIN THE PROJECT LIMITS WHETHER OR NOT THE UTILITIES ARE SHOWN ON THE PLANS, ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPLACED OR RELOCATED BY THE CONTRACTOR AT HIS/ HER OWN EXPENSE.

### GENERAL NOTES (CONTINUED)

7. THE CONTRACTOR SHALL USE CARE IN GRADING OR EXCAVATING NEAR ANY AND ALL EXISTING ITEMS WHICH WILL NOT BE REMOVED. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED/REPLACED BY THE CONTRACTOR AT THE CONTRACTORS' OWN EXPENSE.

8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE EAST ST. LOUIS AND THE FAIRMONT CITY FIRE AND POLICE DEPARTMENTS, AND MESD 14 WORKING DAYS PRIOR TO START OF CONSTRUCTION IN ORDER TO REVIEW AND COORDINATE THE CONSTRUCTION SCHEDULE.

EAST ST. LOUIS FIRE DEPT. CHIEF THOMAS GRIMMETT (618) 482-6875. EAST ST. LOUIS POLICE DEPT. CHIEF LENZIE STEWART (618) 482-6740 OR 482-6700. FAIRMONT CITY: FIRE AND POLICE DEPARTMENT: SCOTT PENNY (618) 274-4504 EXT. 2.

METRO EAST SANITARY DISTRICT (MESD): BOB SHIPLEY - (618) 452-9400

- 9. CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE STATE ARCHAELOGICAL COORDINATOR JOSEPH M. GALLOY, Ph.D., RPA (618) 251-3922 - 14 WORKING DAYS PRIOR TO START OF ANY PAVEMENT OR FOUNDATION REMOVAL.
- 10. THE EXISTING TOPOGRAPHY SHOWN ON THE PLANS REFLECTS THE FINAL CONDITION AFTER THE COMPLETION OF CONTRACTS 76C39, 76C40, 76C44, 76C68, 76C69, GRADING FROM CONCURRENT CONTRACT 76C41, AND FROM THE CONCURRENT REL IL 3 STRUCTURES CONTRACT 76D05, AND DOES NOT NECESSARILY REFLECT CURRENT FIELD CONDITIONS.
- 11. ALL MANHOLE LIDS OR INLET GRATES THAT ARE REMOVED DURING THIS CONTRACT SHALL REMAIN PROPERTY OF THE ILLINOIS DEPT. OF TRANSPORTATION AND SHALL BE REMOVED WITHOUT DAMAGE AND TRANSPORTED TO THE FOLLOWING ADDRESS: BOWMAN AVE. PUMP STATION, 728 EXCHANGE AVE., EAST ST. LOUIS, ILLINOIS - IF THERE ARE ANY QUESTIONS PLEASE CONTACT PETE SAWYER
- 12. ANY SEWER OR STRUCTURE REMOVAL WHICH REQUIRES ABANDONMENT OF A PORTION OF EXISTING SEWER. OR RESULTS IN A HOLE IN AN EXISTING STRUCTURE, WILL REQUIRE THE REMAINING SEWER OR STRUCTURE TO BE SECURELY SEALED WITH CLASS SI CONCRETE OR BRICK AND MORTAR PER ARTICLE 605.04 OF THE STANDARD SPECIFICATIONS. THIS WORK SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF THE SEWER OR STRUCTURE REMOVAL ITEM.
- 13. RIGHT OF WAY MARKERS SHALL BE INSTALLED SO THE BACK OF THE POST IS TWELVE (12") INCHES INSIDE THE RIGHT OF WAY BOUNDARY. THE RIGHT OF WAY MARKER SHALL BE A WITNESS TO THE RIGHT OF WAY CORNER WHICH IS THE PROPERTY PIN. THE RIGHT OF WAY CORNER OR PROPERTY PIN IS A 5/8" IRON ROD WITH IDOT ALUMINUM CAP THAT SHALL NOT BE REMOVED, DAMAGED OR DISTURBED WHEN SETTING THE RIGHT OF WAY MARKERS AT THE TWELVE INCH (12") OFFSET.
- 14. ABBREVIATIONS: T.E. = TEMPORARY EASEMENT, P.E. = PERMANENT EASEMENT.

15. ALL DOWEL BARS AND TIE BARS UTILIZED IN PCC PAVEMENT SHALL BE EPOXY COATED.

- THE CONTRACTOR SHALL USE CAUTION WHEN EXCAVATING NEAR ANY RAILROAD LINE. THE DETAIL SHOWN ON SHEET 229 SHALL BE THE MINIMUM REQUIREMENTS FOR EXCAVATION IN THE
- 17. IF THE CONTRACTOR ENCOUNTERS PREVIOUSLY UNIDENTIFIED UTILITIES DURING EXCAVATION, THE CONTRACTOR SHALL FIRST DETERMINE IF THE UTILITY IS ABANDONED. IF THE UTILITY IS ABANDONED, THE CONTRACTOR SHALL REMOVE THE PORTIONS OF THE UTILITY THAT CONFLICT WITH CONSTRUCTION OPERATIONS AND DISPOSE OF THE REMOVED UTILITY OUTSIDE OF THE STATE RIGHT OF WAY. THIS WORK SHALL BE PAID FOR PER ARTICLE 109.04. IF THE UTILITY IS NOT ABANDONED, THE CONTRACTOR SHALL CONTACT THE UTILITY COMPANY AND REQUEST THAT THE SERVICE BE TERMINATED OR RELOCATED TO THE SATISFACTION OF THE ENGINEER SO THAT THE PORTIONS OF THE UTILITY THAT CONFLICT WITH CONSTRUCTION OPERATIONS CAN BE REMOVED. THE DISPOSAL OF THE REMOVED UTILITY SHALL BE OUTSIDE OF THE STATE RIGHT OF WAY. THIS WORK SHALL BE PAID FOR PER ARTICLE 109.04.
- 18. THE DEPARTMENT STRONGLY ENCOURAGES THE PRIME CONTRACTOR AND THEIR APPROVED SUB-CONTRACTORS TO HIRE MINORITY, WOMEN AND DISADVANTAGED INDIVIDUALS FROM ITS FEDERALLY FUNDED HIGHWAY CONSTRUCTION CAREERS TRAINING PROGRAM (HCCTP) TO HELP MEET WORKFORCE AND TRAINEE GOALS. THIS PROGRAM IS TRAINING MINORITIES, WOMEN AND DISADVANTAGED INDIVIDUALS IN HIGHWAY CONSTRUCTION-RELATED SKILLS, E.G., MATH FOR THE TRADES, JOB READINESS, TECHNICAL SKILLS COURSEWORK (CARPENTRY, CONCRETER FLATWORK, BLUEPRINT READING, SITE PLANS, SITE WORK, TOOLS USE, ETC.) AND OSHA 10 HOUR CERTIFICATION, TO PREPARE THEM FOR A CAREER IN THE HIGHWAY CONSTRUCTION TRADES. GRADUATES ARE WELL-TRAINED AND READY TO BECOME PRODUCTIVE ENTRY-LEVEL CONSTRUCTION WORKERS. CONTACT THE DISTRICT 8 EEO OFFICE AT 618-346-3360 AND/OR THE HCCTP COORDINATOR AT 618/874-6528 TO LEARN MORE ABOUT THE PROGRAM AND FOR ASSISTANCE IN MEETING WORKFORCE AND TRAINER GOALS.

### HIGHWAY STANDARDS

	OLIMA	AY STANDARDS
	-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001	-02	AREAS OF REINFORCEMENT BARS
001006		DECIMAL OF AN INCH AND OF A FOOT
280001	-06	TEMPORARY EROSION CONTROL SYSTEMS
120001	-07	PAVEMENT JOINTS
20101	-04	24' JOINTED PCC PAVEMENT
20106	-04	36' JOINTED PCC PAVEMENT
20111	-03	PCC PAVEMENT ROUNDOUTS
120401	-08	BRIDGE APPROACH PAVEMENT CONNECTOR
121001	-02	BAR REINFORCEMENT FOR CRC PAVEMENT
482001	-02	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
482006		HMA SHOULDER ADJACENT TO RIGID PAVEMENT
483001	-04	PCC SHOULDER
542101	-02	REINFORCED CONCRETE END SECTIONS FOR PIPE CULVERTS
342101	-02	
	0.7	15" - 36" IN DIA AT RT ANGLE WITH ROADWAY
542301	-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
542401	-01	METAL END SECTION FOR PIPE CULVERTS
601001	-04	SUB-SURFACE DRAINS
501101	-01	CONCRETE HEADWALL FOR PIPE DRAIN
502001	-02	CATCH BASIN TYPE A
602306	-03	INLET - TYPE B
	-03	MANHOLE TYPE A
	-02	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701	-02	MANHOLE STEPS
	-03	FRAME AND LIDS TYPE 1
		GRATE TYPE 8
604036		
604051	-03	FRAME AND GRATE TYPE 11
	-02	FRAME AND GRATE TYPE 24
606001	~04	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB
		AND GUTTER
606006	-02	OUTLETS FOR CONCRETE CURB AND GUTTER TYPE B-6.24
606301	-04	PC CONCRETE ISLANDS AND MEDIANS
630001	-10	STEEL PLATE BEAM GUARDRAIL
630201	-06	PCC/HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
	-05	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631011	-08	TRAFFIC BARRIER TERMINAL, TYPE 2
631026	-05	TRAFFIC BARRIER TERMINAL, TYPE 5
631031	-10	TRAFFIC BARRIER TERMINAL, TYPE 6
635001	-01	DELINEATORS
635006		REFLECTOR AND TERMINAL MARKER PLACEMENT
635011	-02	REFLECTOR MARKER AND MOUNTING DETAILS
664001	-02	CHAIN LINK FENCE
666001	-01	RIGHT OF WAY MARKERS
701001	-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
701006	-03	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701011	-02	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701301	-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
	-03	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY.
. 01500	05	FOR SPEEDS >= 45 MPH
701311	-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS - DAY ONLY
701326	-04	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING SPEEDS > 45 MPH
701501	-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701901	-02	TRAFFIC CONTROL DEVICES
720001	-01	SIGN PANEL MOUNTING DETAILS
	-03	SIGN PANEL ERECTION DETAILS
720011	-01	METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
720021	-02	SIGN PANELS EXTRUDED ALUMINUM TYPE
728001	-01	TELESCOPING STEEL SIGN SUPPORT
729001	-01	APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKER
731001	-01	BASE FOR TELESCOPING STEEL SIGN SUPPORT
780001	-03	TYPICAL PAVEMENT MARKINGS
781001	-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
782001	03	
	^4	PRISMATIC CURB REFLECTORS
805001	-01	ELECTRICAL SERVICE INSTALLATION DETAILS
814001	-02	HANDHOLES
814006	-02	DOUBLE HANDHOLES
825016	-02	LIGHTING CONTROLLER PEDESTAL MOUNTED, 480V
830001		LIGHT POLE ALUMINUM MAST ARM
		LIGHT POLE STEEL TENON TOP
830021		LIGHT TOWER
830021 835001		LIGHT POLE FOUNDATION
835001	~(11	CANCEL OF THE PROPERTY OF THE
835001 836001	-01 -01	LIGHT TOWER FOUNDATIONS
830021 835001 836001 837001 878001	-01 -01 -09	LIGHT TOWER FOUNDATIONS CONCRETE FOUNDATION DETAILS

USER NAME = \$USER\$ DESIGNED REVISED FILE NAME DRAWN JB REVISED FILELS CHECKED - ACL REVISED PLOT SCALE = #SCALE# 10/21/11 REVISED DATE PLOT DATE = \$0ATE\$

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** PROPOSED RELOCATED IL ROUTE 3 INTERCHANGE

INDEX OF SHEETS **HIGHWAY STANDARDS AND GENERAL NOTES** SHEET NO. TO STA. SHEETS STA

COUNTY TOTAL SHEE SHEETS NO. SECTION. 998 ST. CLAIR 353 2 82-2-1K CONTRACT NO. 76E06